

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("5288762").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/15 17:51
S2	2	("4032458").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/15 19:14
S3	2	("6790983").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 13:41
S4	5	("3714237").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 13:41
S5	4	((WILLIBALD) near2 (DAFINGER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/14 15:30

S6	13	((PETER) near2 (HOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/14 15:31
S7	73	((WILHELM) near2 (KAISER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/14 15:31
S8	0	((JUERGEN) near2 (GUBA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/14 15:32
S9	4	("3404177").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 15:35
S10	2	("6667409").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 15:37
S11	5	("3715389").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 15:37
S12	4	("3404177").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 15:40

S13	2	("5288762").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/14 15:40
S14	0	("ethylenenear2glycol").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/05/15 11:54
S15	288363	ethylene near2 glycol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:54
S16	155929	S15 and (make or prepare)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:55
S17	14136	S16 and (recover or recycle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:55

S18	5045	S17 and oxidation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:56
S19	4286	S18 and (gas stream)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:56
S20	24231	(ethylene near2 glycol).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:57
S21	16136	S20 and (make or prepare)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:57
S22	3279	S21 and oxidation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:57

S23	464	S22 and (recover or recycle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:58
S24	86	S23 and (gas near2 stream)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 11:58
S25	40	reppe with ethylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 12:07
S26	12	S25 and propionic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/05/15 12:07
S27	1002	produce with (acetic adj acid) same ethylene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 12:04

S28	289	S27 same (vinyl near3 acetate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 12:05
S29	44	"4818437"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 13:54
S30	7	"4818347"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 14:02
S31	13	"3855280"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 14:04
S32	9	"3862216"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 14:23

S33	0	(fractionated with (ethylene near3 gas)) same hydroformylation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:42
S34	1	(recycl? with (ethylene near3 gas)) same hydroformylation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:42
S35	1	(recycl? with (ethylene near3 gas)) same ethylbenzene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:44
S36	1	((ethylene near3 gas)with recycl?) same ethylbenzene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:45
S37	2	((ethylene near3 gas)with recycl?) same alkylating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:45

S38	97	((ethylene near3 gas) near "8" recycl?) same propionaldehyde	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:46
S39	0	((ethylene near3 gas) near8 reuse) same propionaldehyde	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:48
S40	1	((ethylene near3 gas) near8 reuse) same ethylbenzene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/26 18:48
S41	4	"2003060642"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 12:54
S42	2	"20030060642"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 12:55
S43	4	((WILLIBALD) near2 (DAFINGER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/30 13:08
S44	15	((PETER) near2 (HOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/30 13:08



S45	74	((WILHELM) near2 (KAISER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/30 13:09
S46	2460	560/206,207,208,231,243,245,248.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 14:08
S47	118	gas with scrubber with (acetic adj acid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 14:10
S48	19	S47 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 14:10
S49	282	c07c067/055.ipcr,ipc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 15:10
S50	1	S49 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 15:11

S51	0	"41818347"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 18:17
S52	7	"4818347"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/30 18:18
S53	4	((WILLIBALD) near2 (DAFINGER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/27 17:34
S54	16	((PETER) near2 (HOLL)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/27 17:34
S55	74	((WILHELM) near2 (KAISER)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/27 17:35
S56	0	((JUERGEN) near2 (GUBA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/27 17:35
S57	20733	"I5" and "I6"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 16:37

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S58	3	((WILLIBALD) near2 (DAFINGER)).INV.	USPAT; UPAD	OR	ON	2010/06/17 16:32

S59	40	((WILHELM) near2 (KAISER)).INV.	USPAT; UPAD	OR	ON	2010/06/17 16:32
S60	9	((PETER) near2 (HOLL)).INV.	USPAT; UPAD	OR	ON	2010/06/17 16:32
S61	0	((JUERGEN) near2 (GUBA)).INV.	USPAT; UPAD	OR	ON	2010/06/17 16:32
S62	1643	560/206,207,208,231,243,245,248.ccls.	USPAT; UPAD	OR	ON	2010/06/17 16:34
S63	20	ethylene with (recycle or recover\$3) with inert?	USPAT; UPAD	OR	ON	2010/06/17 16:37
S64	6	S62 and S63	USPAT; UPAD	OR	ON	2010/06/17 16:37

6/ 17/ 2010 4:41:02 PM

C:\ Documents and Settings\ ycutliff\ My Documents\ EAST\ Workspaces\ 10599880.wsp